

## EAST Search History

| Ref #    | Hits     | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|----------|----------|---|---|------------------|---------|------------------|
| L8       | 0        | 2 and 7   | USPAT   | OR               | ON      | 2006/08/10 10:25 |
| L7       | 0        | (synthesizer and receiver and integrator and latch and phase and clock and data and serdes).clm.                      | USPAT   | OR               | ON      | 2006/08/10 10:25 |
| L6       | 22       | L4 and L5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/10 10:25 |
| S18<br>5 | 22       | S183 and S184   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/10 10:24 |
| L5       | 21328671 | @ad<"20010918"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/10 10:24 |
| L4       | 30       | L3 and (parallel near serial)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/10 10:24 |
| L3       | 575      | L1 and L2   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR               | ON      | 2006/08/10 10:24 |
| L2       | 6539     | 375/327,375,355,356,371,372,373,376.ccls.   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR               | ON      | 2006/08/10 10:24 |
| L1       | 5721     | (synthesizer pll) and data and clock and integrat\$ and (switch latch) and (phase near (detect\$4 comparat\$4 error)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/10 10:24 |
| S18<br>4 | 21328667 | @ad<"20010918"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/08/09 16:26 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S18<br>3 | 30   | S182 and (parallel near serial)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:26 |
| S18<br>2 | 575  | S176 and S181  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | ON | 2006/08/09 16:26 |
| S17<br>8 | 119  | S174 and (parallel near serial)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:26 |
| S18<br>1 | 6539 | 375/327,375,355,356,371,372,373,<br>376.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | ON | 2006/08/09 16:25 |
| S71      | 5560 | 375/355,356,371,372,373,376.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | ON | 2006/08/09 16:25 |
| S18<br>0 | 1932 | 327/156,147,307.ccls.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2006/08/09 16:24 |
| S15<br>2 | 431  | 327/307.ccls.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2006/08/09 16:24 |
| S17<br>9 | 7    | (synthesizer pll) and data and clock<br>and integrat\$ and (switch latch) and<br>S178  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:16 |
| S17<br>6 | 5717 | (synthesizer pll) and data and clock<br>and integrat\$ and (switch latch) and<br>(phase near (detect\$4 comparat\$4<br>error)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:16 |

## EAST Search History

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S17<br>7 | 29     | S174 and S176   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:15 |
| S17<br>4 | 2666   | 370/430,436,478,480,481,295,343.<br>cls.                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:03 |
| S17<br>3 | 14     | S172 and demultiplex\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 16:02 |
| S17<br>2 | 71     | S169 same S170  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:48 |
| S17<br>0 | 25923  | (accumulator integrator) with (latch<br>switch)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:48 |
| S16<br>9 | 107928 | (serial with parallel)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:48 |
| S16<br>6 | 35     | (accumulator integrator) with (latch<br>switch) with demultiplex\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:48 |
| S16<br>8 | 1      | S166 and S167   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:47 |

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|          |          |   |   |    |    |                  |
|----------|----------|---|---|----|----|------------------|
| S16<br>7 | 4251     | deserial\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:47 |
| S16<br>4 | 35       | (accumulator integrator) with (latch<br>switch) with demultiplex\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/09 13:47 |
| S16<br>5 | 25       | S160 and S164   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:52 |
| S15<br>7 | 25915    | (accumulator integrator) with (latch<br>switch)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:51 |
| S16<br>3 | 4        | S157 and S160 and S162  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:49 |
| S16<br>2 | 1611     | serdes  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:47 |
| S16<br>1 | 34       | S159 and S160   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:47 |
| S16<br>0 | 21328182 | @ad<"20010918"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:45 |

## EAST Search History

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S15<br>9 | 44   | synthesizer and S158                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:45 |
| S15<br>8 | 1054 | receiver same S157                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/07 08:45 |
| S15<br>6 | 28   | S155 and equal\$6                                  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 16:32 |
| S15<br>5 | 244  | S154 and compar\$4 and (integrator<br>dac counter) | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 16:31 |
| S15<br>4 | 1606 | S152 S153  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 16:31 |
| S15<br>3 | 1246 | 330/9.ccls.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 16:29 |
| S15<br>1 | 44   | S150 and (clock near recovery)                     | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 16:06 |
| S15<br>0 | 942  | (clock with synchroni\$6) same<br>integrators      | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON | 2005/08/01 14:55 |
| S14<br>9 | 826  | (clock with synchroni\$6) same<br>integrators      | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/01 14:54 |
| S14<br>8 | 3    | ("6078200"   "6115586"   "6194929").<br>PN.        | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2005/08/01 14:54 |

## EAST Search History

|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S14<br>7 | 2    | ("6586977").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/01 14:52 |
| S14<br>6 | 62   | (diversity near antenna) and (phase<br>near (detect\$4 comparat\$4))           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/08/01 14:52 |
| S14<br>5 | 31   | integrators with demultiplex\$4  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/08/01 14:31 |
| S14<br>4 | 0    | S143 and (clock near distribution)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 12:20 |
| S14<br>3 | 540  | 375/327.ccls.  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 12:20 |
| S14<br>1 | 15   | ((filters integrators) near (divid\$4))<br>same clock                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 12:20 |
| S14<br>2 | 0    | S139 and S141  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 11:39 |
| S13<br>8 | 388  | ((filters integrators) near (second<br>two)) same clock                        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 11:39 |
| S14<br>0 | 7    | S138 and S139  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 11:38 |
| S13<br>9 | 3148 | (clock near distribution)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 11:38 |
| S13<br>4 | 13   | (clock near distribution) and<br>((integrators filter) with<br>demultiplex\$4) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | OFF | 2005/02/17 11:38 |

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|          |     |  |  |    |     |                  |
|----------|-----|--|--|----|-----|------------------|
| S13<br>7 | 27  | ((filters integrators) near (divid\$4<br>split\$4 demultiplex\$4)) same clock        | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/17 11:37 |
| S13<br>6 | 75  | S135 and pll   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/17 11:34 |
| S13<br>5 | 141 | (clock near distribution) and<br>((integrators filter) with (select\$4<br>divid\$4)) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 17:19 |
| S13<br>3 | 7   | (synchronizer with skew) and (clock<br>near distribution)                            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 17:17 |
| S13<br>2 | 6   | dll and ((data and clock) near<br>recover\$4) and (clock near<br>distribut\$6)       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 17:01 |
| S13<br>1 | 2   | S130 and data  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 16:47 |
| S13<br>0 | 2   | ("6552619").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 16:45 |
| S12<br>8 | 2   | ("6552619").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 16:45 |
| S12<br>9 | 1   | sync\$12 and S128  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 15:20 |
| S12<br>7 | 12  | S125 and S126  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 15:19 |
| S12<br>6 | 216 | ((integrat\$4 near dump) with filter)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 15:07 |

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|          |       |   |  |    |     |                  |
|----------|-------|---|--|----|-----|------------------|
| S12<br>5 | 6313  | clock near recovery                                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 15:07 |
| S12<br>4 | 38    | 375/130-377.ccls. and S122                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 15:07 |
| S12<br>2 | 60    | ((integrat\$4 near dump) with filter)<br>same clock | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 15:07 |
| S12<br>3 | 6     | S122 and pll  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 15:02 |
| S12<br>1 | 18    | (integrat\$4 near dump) with clock<br>with filter   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:45 |
| S11<br>7 | 101   | S100 and (integrat\$4 near dump)                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:44 |
| S12<br>0 | 40    | S119 and pll  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:30 |
| S11<br>9 | 267   | (integrat\$4 near dump) with (filter<br>integrator) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:30 |
| S11<br>8 | 17    | S117 and pll and clock                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:23 |
| S11<br>6 | 62    | S115 and pll and clock                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:23 |
| S11<br>5 | 533   | S114 and (integrat\$4 near dump)                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:23 |
| S10<br>0 | 10572 | filter with integrator                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 14:22 |



## EAST Search History

|          |         |   |  |    |     |                  |
|----------|---------|---|--|----|-----|------------------|
| S11<br>4 | 1223289 | filter integrator                         | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 14:21 |
| S11<br>3 | 100     | clock and S111                            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 14:21 |
| S10<br>3 | 0       | S102 and (integrat\$4 near dump)          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:21 |
| S11<br>2 | 100     | clock and S111                            | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:16 |
| S11<br>1 | 114     | S110 and pll                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:16 |
| S11<br>0 | 575     | S109 and S100                             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:15 |
| S10<br>9 | 5547    | S107 or S108                              | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:14 |
| S10<br>8 | 5349    | S106 and (sampl\$4 near hold\$4)          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:14 |
| S10<br>7 | 236     | S106 and (integrat\$4 near dump)          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:14 |
| S10<br>6 | 89865   | (lowpass or (low near3 pass)) near filter | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:14 |
| S10<br>5 | 2       | S102 and (sampl\$4 near hold\$4)          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:14 |
| S10<br>4 | 0       | S102 and (sampl\$4 near dump)             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:12 |

## EAST Search History

|          |         |   |  |    |     |                  |
|----------|---------|---|--|----|-----|------------------|
| S10<br>2 | 30      | S100 and S101   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:12 |
| S10<br>1 | 3148    | clock near distribution   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:11 |
| S84      | 3148    | clock near distribution   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 14:11 |
| S99      | 50      | S97 and (((phase near interpolat\$4) or<br>multipl\$6) same S95)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 14:10 |
| S98      | 166     | S97 and ((phase near interpolat\$4) or<br>multipl\$6)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 13:28 |
| S97      | 186     | pll and vco and S96   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 13:28 |
| S96      | 697     | S95 and S93   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 13:27 |
| S95      | 1223289 | filter or integrator  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 13:27 |
| S94      | 1136088 | filter or integrator  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 13:27 |
| S93      | 3148    | clock near distribution   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 13:27 |
| S92      | 1       | ("6594330").URPN.   | USPAT                                      | OR | OFF | 2005/02/16 13:06 |
| S91      | 8       | ("4563657"   "5018170"   "5187722"  <br>"5260608"   "5675620"   "5790614"  <br>"6163186"   "6356129").PN. | US-PGPUB;<br>USPAT;<br>USOCR               | OR | OFF | 2005/02/16 13:03 |
| S90      | 121     | S89 and (phase near detect\$4)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 12:35 |

## EAST Search History

|     |         |   |  |    |     |                  |
|-----|---------|---|--|----|-----|------------------|
| S89 | 211     | pll and vco and S84 and S87   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 12:35 |
| S88 | 224     | pll and vco and S84 and S86   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 12:35 |
| S87 | 73247   | S86 same clock  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 12:35 |
| S86 | 2166823 | integrat\$4 filter  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 12:34 |
| S85 | 2097684 | integrat\$4 filter  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 12:34 |
| S55 | 3148    | clock near distribution   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/16 12:34 |
| S83 | 14      | ((("5289866") or ("5307381") or<br>("5339253") or ("5361277") or<br>("5376842") or ("5397943") or<br>("5398262")).PN. | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 12:01 |
| S82 | 35      | "5398262"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 11:54 |
| S76 | 5       | "5289866"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 11:54 |
| S81 | 30      | "5397943"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 11:53 |
| S80 | 15      | "5376842"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 11:53 |
| S79 | 100     | "5361277"   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/16 11:53 |

## EAST Search History

|     |        |                              |  |    |     |                  |
|-----|--------|------------------------------|--|----|-----|------------------|
| S78 | 25     | "5339253"                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:53 |
| S77 | 68     | "5307381"                    | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:53 |
| S75 | 12     | S71 and S74                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:53 |
| S74 | 47     | S73 and S55                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:52 |
| S73 | 6873   | S56 S57 S58 S62 S63          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:51 |
| S72 | 98     | S67 and S71                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:51 |
| S70 | 1      | S67 and S69                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:48 |
| S69 | 514    | S68 near clock               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/16 11:41 |
| S68 | 342455 | (in near phase) inphase real | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:41 |
| S67 | 344    | S64 and S66                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:40 |
| S66 | 11599  | pll and vco                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:39 |
| S65 | 47476  | pll dll                      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:39 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S64 | 9974 | S55 S56 S57 S58 S62 S63                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:39 |
| S63 | 1292 | (don).xa.                                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S62 | 4827 | (don).xp.                                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S61 | 0    | (don near son).xp.                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S60 | 0    | (don near ton).xp.                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S59 | 0    | (don near ton).xa.                          | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S58 | 267  | (don near vo).xa.                           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:37 |
| S57 | 682  | (don near vo).xp.                           | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:36 |
| S56 | 754  | bocure.xp.                                  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/16 11:36 |
| S54 | 12   | dll and (data near recover\$4) and S53      | USPAT                                      | OR | OFF | 2005/02/10 13:59 |
| S53 | 202  | phase near (detect\$4 and<br>interpolat\$4) | USPAT                                      | OR | OFF | 2005/02/10 13:59 |
| S52 | 0    | ("6552619").URPN.                           | USPAT                                      | OR | OFF | 2005/02/10 13:59 |
| S51 | 3    | ("6078200"   "6115586"   "6194929").<br>PN. | US-PGPUB;<br>USPAT;<br>USOCR               | OR | OFF | 2005/02/10 13:45 |
| S50 | 2    | S44 and data                                | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 12:46 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S49 | 8    | (phase near detect\$4) and (phase near interpolat\$4) and (data near recovery) and dll | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:46 |
| S48 | 36   | S47 and pll  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:40 |
| S47 | 40   | S43 and dll and (clock near recovery)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:37 |
| S46 | 118  | S43 and dll  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:37 |
| S45 | 0    | S43 and S44  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:37 |
| S44 | 2    | ("6552619").PN.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 12:37 |
| S43 | 7906 | data near recovery   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/10 12:37 |
| S42 | 2    | S39 and (phase near interpolat\$4)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/10 12:02 |
| S41 | 0    | 10l and (phase near interpolat\$4)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/10 12:02 |
| S40 | 0    | S39 and pll and (phase near interpolat\$4)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/10 12:02 |
| S39 | 533  | (integrat\$4 near dump) and (demultiplex\$4 select\$5 switch\$4)                       | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/10 12:02 |
| S38 | 0    | S37 and pll and (phase near interpolat\$4)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2005/02/10 12:02 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| S37 | 177    | (integrat\$4 near dump) same<br>(demultiplex\$4 select\$5 switch\$4)                 | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/10 12:02 |
| S36 | 46     | S34 and pll and (phase near<br>interpolat\$4)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/10 12:01 |
| S35 | 4527   | S34 and pll  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/10 11:56 |
| S34 | 210558 | integrat\$4 same (demultiplex\$4<br>select\$4 switch\$4)                             | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/10 11:56 |
| S33 | 5      | deseriali\$6 and pll and (demulti\$8<br>select\$6) and (phase with<br>interpolat\$6) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/02/10 11:55 |
| S32 | 5      | deseriali\$6 and pll and (demulti\$8<br>select\$6) and (phase with<br>interpolat\$6) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 11:50 |
| S31 | 207    | deseriali\$6 and pll   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 11:49 |
| S30 | 23     | pll and (serdes or (serial with<br>parallel)) and (phase near<br>interpolat\$4)      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 11:49 |
| S29 | 21     | pll and (serial with parallel) and<br>(phase near interpolat\$4)                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 10:43 |
| S28 | 39     | serial and S27   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/10 10:42 |
| S27 | 202    | (phase near (interpolat\$ and<br>detect\$4))   | USPAT                                      | OR | OFF | 2005/02/08 11:51 |
| S26 | 177003 | serial and "14"  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 11:51 |
| S25 | 36     | S23 and "24"   | USPAT                                      | OR | OFF | 2005/02/08 11:08 |
| S24 | 574    | phase near interpolat\$  | USPAT                                      | OR | OFF | 2005/02/08 11:07 |

## EAST Search History

|     |       |   |  |    |     |                  |
|-----|-------|---|--|----|-----|------------------|
| S23 | 47    | serdes and pll  | USPAT  | OR | OFF | 2005/02/08 11:07 |
| S22 | 1     | ("6650141").URPN.   | USPAT  | OR | OFF | 2005/02/08 11:07 |
| S21 | 2     | ("6011407"   "6031428").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | OFF | 2005/02/08 11:01 |
| S20 | 10    | serdes.ab.  | USPAT  | OR | OFF | 2005/02/08 10:58 |
| S19 | 16    | S14 and S18   | USPAT  | OR | OFF | 2005/02/08 10:58 |
| S18 | 44295 | serdes or (serial with parallel)  | USPAT  | OR | OFF | 2005/02/08 10:54 |
| S17 | 65    | S15 and integrat\$4   | USPAT  | OR | OFF | 2005/02/08 10:53 |
| S16 | 3     | S15 and demultiplex\$4  | USPAT  | OR | OFF | 2005/02/08 10:35 |
| S15 | 96    | S14 and pll   | USPAT  | OR | OFF | 2005/02/08 10:34 |
| S14 | 202   | (phase near (interpolat\$ and detect\$4))                                     | USPAT  | OR | OFF | 2005/02/08 10:34 |
| S13 | 6     | pll and demultiplex\$4 and (phase near interpolat\$4)                         | USPAT  | OR | OFF | 2005/02/08 10:34 |
| S12 | 0     | S10 and pll and demultiplex\$4 and (phase near interpolat\$4)                 | USPAT  | OR | OFF | 2005/02/08 10:30 |
| S11 | 0     | S10 and pll and demultiplex\$4 and (phase near interpolat\$4) and integrat\$4 | USPAT  | OR | OFF | 2005/02/08 10:30 |
| S10 | 3299  | S7 or S9  | USPAT  | OR | OFF | 2005/02/08 10:28 |
| S9  | 1198  | 327/156,147.ccls.   | USPAT  | OR | OFF | 2005/02/08 10:28 |
| S7  | 2428  | 375/327,375,376,373.ccls.   | USPAT  | OR | OFF | 2005/02/08 10:28 |
| S6  | 0     | ("6586977").URPN.   | USPAT  | OR | OFF | 2005/02/08 10:28 |
| S5  | 3     | ("6078200"   "6115586"   "6194929").PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | OFF | 2005/02/08 10:26 |
| S4  | 12    | S3 and clock  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/08 10:24 |
| S3  | 24    | ((yang near fuji) or (larsson near patrick) or ("o'neill" near jay)).in.      | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2005/02/08 10:24 |
| S1  | 2     | ("6586977").PN.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/02/08 10:23 |